Car Journey

Here are three cars, each going on a journey.
For this activity, you will need three cars (or anything else that you can use that will travel down a slope).

We are going to see how far they can travel.
You might use a small wooden ramp, like this:

Or you could make one using materials you have got.

(Lots of decisions and problem solving required here.)

If the ramp is wide enough, place all three cars at the top and LET GO!
Which went furthest? How do you know?
How far did each one travel from the bottom of the slope?
What could you try next?

Key questions

Which car went the furthest?
How far did that car go?
How do you know?
How much further did that car go than the next car?
If you choose to measure it what could you use to measure the distance? What units would be best? Why? Prove it.

Parent Notes
This is a maths and STEM activity that involves understanding of distance, measurement and problem solving

This problem is a playful activity that gives children the opportunity to explore different ways of measuring length/distance. It could lead into considerations of standard and non-standard units of measure, and will certainly involve children comparing lengths/distances. They could be encouraged to find ways of recording

the distances for the three cars and then for every car that they used. Talk about what they can find out from their recordings.